about the dangers posed by these chemicals; and

(c) how Government propose to regulate their use?

THE MINISTER OF STATE IN THE DEPARTMENT OF CHEMICALS AND PETRO-CHEMICALS (SHRI R. K. JAICHANDRA SINGH): (a) The number of such chemicals run into thousands.

(b) and (c) There are a number of agencies which study the ill-effects of chemicals and the process technologies involved. The appropriate statutory authorities under he Factories Act as well as under the Air and Water (Prevention and Control of Pollution) Act are responsible for ensuring safety within the factory premises and ensuring protection for the environment respectively.

2. The previling Import-Export policy regulates in general, the import of all itmes, including chemicals into the country. Further under the Insecticides Act, Pesticides and insecticides, not registered for use in the country, can neither be manufactured nor imported.

3. Action has also been taken for formulating a proposal for registration on hardous substances, including toxic chemicals.

**Setting up of a new Electronic Switching system factory in West Bengal**

@1981. SHRI RAMKRISHNA MAZUMDAR: Will the Minister of COMMUNICATIONS be pleased to state:

(a) whether the Government of West Bengal had urged the Central Government to set up the third electronic switching system factory of I. T. I in West Bengal in 1984; and

(b) if so, what is the Central Government's reaction in the matter?

THE MINISTER OF STATE OF THE MINISTRY OF COMMUNICATIONS (SHRI RAM NIWAS MIRDHA): (a) Yes, Sir.

(b) The type of equipment to be manufactured in the third electronic switching system factory is proposed to be based on C-DOT design and its location will have to be considered only after necessary inputs have been provided by the National Centre for Development of Telematics (C-DOT):

**Bhopal gas tragedy**

@@1982. SHRI DINKARRAO GOVINDRAO PATIL: Will the Minister of INDUSTRY be pleased to state:

(a) whether Government's attention has been drawn to a news item that appeared on page 1, cols. 2—5 of the Indian Express (New Delhi edition) of 25th December, 1985 under the caption 'Facts contradict report of Bhopal leak';

(b) if so, the details thereof; and

(c) the Government's reaction thereto?

THE MINISTER OF STATE IN THE DEPARTMENT OF CHEMICALS AND PETRO-CHEMICALS (SHRI R. K. JAICHANDRA SINGH): (a) Yes, Sir.

(b) and (c) The news item has reported that a scientist, who wishes to remain anonymous, believes the temperature in the tank 610 from which MIC leaked, rose upto 1000°C. The basis for arriving at such a conclu-

@Previously Unstarred Question 1849, transferred from the 13th March, 1986.

@@Previously Unstarred Question 1136, transferred from the 6th March, 1986.

sion has not been indicated in the news item. The report on Scientific Studies on the factors related to Bhopal Toxic Gas Leakage, on the basis of analysis of the residue found in the tanks. and experiments on producing the constituents of the residue, has surmised the temperature may have been around 250°C. In experiments on subjecting MIC to heating, the Report on Scientific Studies, has recorded that in the presence of chloroform, cyanide formation has not been detected and that chloroform may inhibit the breakdown of MIC to hydrogen cyanide.

**Installation of Satellite Terminals**

1983. SHRI R. SAMBASIVA RAO: Will the Minister of COMMUNICATIONS be pleased to state:

(a) whether there is any proposal under Government's consideration to set up a few small satellite terminals in the strategic hilly and remote areas of the country to provide them an effective telecommunication link; and

(b) if so, what are the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF COMMUNICATIONS (SHRI RAM NIWAS MIRDHA): (a) Yes, Sir. A number of proposals are under consideration for setting up of small earth stations in hilly, and remote areas of the country during the Seventh Plan period.

(b) The approved schemes include provision of earth stations at the following places:—

A. *Earth Stations in Remote, Backward and Hilly Areas*

| | | |
|---|---|---|
| 1 | Doda | J&K State |
| 2 | Rajouri | |
| 3 | Poonch | All Hilly areas. |
| | Kargil | |
| 5 | Phool Bani | Orissa State (Hilly & Backward) |
| 6 | Keylong | Himachal Pradesh (Hilly & Backward) |
| 7 | Kalpa | |
| 8 | Zero | Arunachal Pradesh All Backward areas. |
| 9 | Deporizo | |
| 10 | Seppa | |
| 11 | Aalo | |
| 12 | Jaisalmer | (Rajasthan (Backward) |
| 13 | Srinagar (Garhwal) | UP Hilly Areas |
| 14 | Joshimath | |
| 15 | Uttarkashi | |
| 16 | Campbell Bay | Andaman & Nicobar Islands |
| 17 | Diglipur | |
| 18 | Mayabunder | |

B. 26 earth stations in the North-East region. The actual locations are under finalisation.

C. 10 Transportable earth stations. These will be capable of deployment anywhere in the country.

**Technology Mission on Silicon**

†1984. PROF. B. RAMACHANDRA RAO: Will the Minister of ENERGY be pleased to state:

(a) whether it is a fact that a technology mission on amorphous silicon, the latest development in high technology semi-conductor devices and photovoltaics has been set up by several institutions in Delhi;

(b) if so, what are the details thereof;

(c) whether it is a fact that a pilot plant is proposed to be set up in Delhi to try out these technologies as well as prepare the country to adopt and improve upon technology developments in foreign countries in this high technical material; and

†Previously Unstarred Question 1789, transferred from the 13th March, 1986.